



Low Voltage Power Distribution Equipment



Harju Elekter manufactures low voltage power distribution equipment for use in project-specific, industrial applications as well as in power distribution infrastructure, for example, in transformer substations.

Design and Construction

The equipment enclosure is manufactured from corrosion-resistant, hot-dip zinc galvanized sheet metal. The doors are coated with UV-resistant grey powder paint; optional locking mechanisms are also available. The electrical components can be put on rails or mounting plates. The equipment interior has coverings that guarantee IP2X protection, i.e., prevent the accidental touching of current carrying components during servicing. In addition, separating interior walls prevent tools or hardware from falling into other compartments and causing a short circuit.

Transport and Installation

The equipment is assembled on palettes that are equipped with lifting hooks. Onsite installation against a wall is done with the use of mounting hardware; affixing to a floor is possible through bolts.

Tests and Standards

Harju Elekter low voltage equipment complies with the following directives: low voltage LVD 2006/95/EC, electromagnetic compatibility EMC 2004/108/EC and mechanical design MD 2006/42/EC. The products are developed to adhere to the standards IEC 60439-1, IEC 61439-2 and IEC 60439-3.



The equipment also displays the CE mark. The manufacturing processes are certified to be in compliance with the quality standard ISO 9001:2008 as well as all environmental impact aspects described in ISO 14001:2004.

HEMI & HEMITR – Power Distribution and Control Equipment



Rated voltage	400 V
Rated current	up to 630 A
Rated short-time current I_{cw}	25 kA
IP protection level	IP 54, IP 65

- Designed for use in building and industrial locations, in which a high protection level of up to IP65 is required, i.e., both indoors and out
- Possible applications include power distribution, lighting control, metering, and line protection
- The power connections are made through the base or, in the case of HEMI, also from the top
- Installation can be done with the base partially underground or at ground level
- The enclosure metal components are powder painted in a grey tone (RAL 7032)
- HEMI is composed of modular, plastic enclosures
- HEMITR incorporates HEMI within the sheet metal enclosure HETR, which is designed for use outdoors



8HR0 – Power Distribution and Control Equipment

Rated voltage	400 V
Rated current	up to 800 A
Rated short-time current I_{cw}	25 kA
IP protection level	IP 20 - IP 44

- Developed for use in power infrastructure, building and industrial applications as a distribution and control device
- Possible applications include power distribution, lighting control, metering, and line protection.
- The power connections can be made through the base or from the top
- Fastened to the floor or against a wall with hardware
- The door panels are coated with powder paint in a grey tone (RAL 7032)
- Type-tested



8HS – Power Distribution and Control Equipment

Rated voltage	690 V
Rated current	up to 1600 A
Rated short-time current I_{cw}	55 kA
IP protection level	IP 20 - IP 54

- Engineered for use in power distribution infrastructure, building and industrial applications as a primary distribution and control device
- The possible functions include power distribution, lighting control, metering, and line protection.
- The power connections can be made through the base or from the top
- Fastened to the floor with hardware
- The door panels are coated with powder paint in a grey tone (RAL 7035)
- Type-tested



HEMP – Power Distribution Equipment

Rated voltage	400 V
Rated current	up to 1600 A
Rated short-time current I_{cw}	31.5 kA
IP protection level	IP 2X

- Designed for use in power distribution infrastructure, building and industrial applications as a main power distribution point
- The power connections can be made through the base or from the top
- Fastened to the floor with hardware
- The door panels are coated with powder paint in a grey tone (RAL 7032)



HEPO - Power Distribution and Control Equipment

Rated voltage	400 V
Rated current	up to 4000 A
Rated short-time current I_{cw}	80 kA
IP protection level	IP 2X

- Developed for use in power distribution infrastructure, building and industrial applications as a main power distribution point
- The power connections can be made through the base or from the top
- Fastened to the floor with hardware
- The door panels are coated with powder paint in a grey tone (RAL 7032)



HERK – Power Distribution and Control Equipment

Rated voltage	400 V
Rated current	up to 2000 A
Rated short-time current I_{cw}	40 kA
IP protection level	IP 20 - IP 44

- Engineered for use in power distribution infrastructure, building and industrial applications as a main power distribution point
- The power connections can be made through the base or from the top
- Fastened to the floor with hardware
- The door panels are coated with powder paint in a grey tone (RAL 7032)



8PU – Power Distribution and Control Equipment

Rated voltage	690 V
Rated current	up to 4000 A
Rated short-time current I_{cw}	80 kA
IP protection level	IP 20 - IP 31

- Designed for use in power distribution infrastructure, building and industrial applications as a main power distribution point
- The power connections can be made through the base or from the top
- Fastened to the floor with hardware
- The door panels are coated with powder paint in a grey tone (RAL 7032)
- Type-tested



8PT SIVACON – Power Distribution and Control Equipment

Rated voltage	690 V
Rated current	up to 7400 A
Rated short-time current I_{cw}	150 kA
IP protection level	IP 30 - IP 54

- Developed for use in power distribution infrastructure, building and industrial applications as a main power distribution point
- The power connections can be made through the base or from the top
- Fastened to the floor with hardware
- The door panels are coated with powder paint in grey tones (RAL 7032 or RAL 7035)
- Modular, metal frame construction that allows for expansion
- Functional subunits that can be simply removed and re-plugged
- Type-tested with proven internal arc withstand capability



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